

**Table B1** *Summary Table of DO, Turbidity and SS Levels Recorded between 1 and 29 September 2014*

| Sampling Date | Tidal Period | Station | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|---------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |         | Bottom                   | Surface and Mid Depth |                               |                         |
| 2014/09/01    | Mid-Ebb      | DS1     | 4.55                     | 5.32                  | 7.73                          | 9.18                    |
|               |              | DS2     | 4.10                     | 5.00                  | 9.18                          | 9.67                    |
|               |              | DS3     | 4.82                     | 5.60                  | 5.32                          | 6.54                    |
|               |              | DS4     | 4.09                     | 5.27                  | 5.90                          | 6.36                    |
|               |              | DS5     | 4.05                     | 5.34                  | 8.51                          | 8.12                    |
|               |              | US1     | 4.81                     | 6.28                  | 11.60                         | 12.83                   |
|               |              | US2     | 5.66                     | 6.34                  | 6.84                          | 9.43                    |
|               |              | MW1     | 4.36                     | 5.30                  | 2.39                          | 3.60                    |
|               |              | THB1    | 4.92                     | 5.84                  | 8.65                          | 9.93                    |
|               |              | THB2    | -                        | 5.90                  | 7.13                          | 6.67                    |
|               |              | WSR45C  | 4.09                     | 5.39                  | 9.39                          | 7.04                    |
|               |              | WSR46   | 4.27                     | 5.29                  | 8.65                          | 7.07                    |
|               | Mid-Flood    | DS1     | 5.27                     | 5.52                  | 3.79                          | 6.13                    |
|               |              | DS2     | 5.13                     | 5.28                  | 27.54                         | 19.92                   |
|               |              | DS3     | 5.27                     | 5.57                  | 10.46                         | 14.20                   |
|               |              | DS4     | 5.09                     | 5.29                  | 11.52                         | 11.43                   |
|               |              | DS5     | 4.76                     | 5.39                  | 6.74                          | 6.81                    |
|               |              | US1     | 4.77                     | 5.30                  | 4.67                          | 4.37                    |
|               |              | US2     | 4.26                     | 4.77                  | 8.34                          | 17.58                   |
|               |              | MW1     | 4.05                     | 4.66                  | 3.53                          | 4.79                    |
|               |              | THB1    | 5.13                     | 5.18                  | 25.69                         | 21.20                   |
|               |              | THB2    | -                        | 4.32                  | 9.55                          | 4.97                    |
|               |              | WSR45C  | 4.06                     | 4.84                  | 9.58                          | 10.88                   |
|               |              | WSR46   | 4.16                     | 5.14                  | 11.85                         | 10.81                   |
| 2014/09/03    | Mid-Ebb      | DS1     | 5.77                     | 6.02                  | 3.54                          | 4.23                    |
|               |              | DS2     | 3.57                     | 5.23                  | 5.05                          | 3.62                    |
|               |              | DS3     | 4.23                     | 5.23                  | 4.47                          | 5.59                    |
|               |              | DS4     | 4.07                     | 5.21                  | 4.09                          | 5.67                    |
|               |              | DS5     | 3.67                     | 4.77                  | 7.13                          | 7.82                    |
|               |              | US1     | 5.68                     | 5.68                  | 4.85                          | 4.85                    |
|               |              | US2     | 5.22                     | 5.87                  | 5.89                          | 9.17                    |
|               |              | MW1     | 3.44                     | 4.93                  | 1.98                          | 2.26                    |
|               |              | THB1    | 5.62                     | 6.06                  | 3.81                          | 5.78                    |
|               |              | THB2    | -                        | 6.38                  | 4.80                          | 2.50                    |
|               |              | WSR45C  | 3.30                     | 5.23                  | 9.85                          | 7.66                    |
|               |              | WSR46   | 4.14                     | 5.32                  | 4.20                          | 5.61                    |
|               | Mid-Flood    | DS1     | 6.21                     | 6.40                  | 30.80                         | 22.52                   |
|               |              | DS2     | 6.82                     | 6.89                  | 9.61                          | 10.77                   |
|               |              | DS3     | 6.24                     | 6.61                  | 15.08                         | 19.22                   |
|               |              | DS4     | 6.26                     | 6.70                  | 6.88                          | 8.21                    |
|               |              | DS5     | 4.80                     | 7.06                  | 8.25                          | 9.07                    |
|               |              | US1     | 5.14                     | 6.43                  | 4.54                          | 4.95                    |
|               |              | US2     | 3.80                     | 5.45                  | 7.55                          | 9.26                    |
|               |              | MW1     | 2.98                     | 4.07                  | 3.47                          | 5.36                    |
|               |              | THB1    | 6.69                     | 6.85                  | 5.39                          | 6.87                    |
|               |              | THB2    | -                        | 6.89                  | 11.29                         | 6.07                    |
|               |              | WSR45C  | 3.36                     | 5.22                  | 10.21                         | 10.60                   |

| Sampling Date | Tidal Period | Station    | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |       |       |
|---------------|--------------|------------|--------------------------|-----------------------|-------------------------------|-------------------------|-------|-------|
|               |              |            | Bottom                   | Surface and Mid Depth |                               |                         |       |       |
|               |              | WSR46      | 3.97                     | 5.23                  | 16.37                         | 9.90                    |       |       |
| 2014/09/05    | Mid-Ebb      | DS1        | 4.20                     | 6.20                  | 3.56                          | 5.07                    |       |       |
|               |              | DS2        | 3.78                     | 4.61                  | 3.86                          | 4.80                    |       |       |
|               |              | DS3        | 3.45                     | 4.53                  | 7.11                          | 7.58                    |       |       |
|               |              | DS4        | 3.64                     | 4.20                  | 4.28                          | 4.87                    |       |       |
|               |              | DS5        | 3.74                     | 4.26                  | 4.38                          | 5.81                    |       |       |
|               |              | US1        | 5.46                     | 6.80                  | 7.13                          | 12.23                   |       |       |
|               |              | US2        | 3.79                     | 5.41                  | 11.12                         | 13.32                   |       |       |
|               |              | MW1        | 2.88                     | 4.56                  | 2.38                          | 3.56                    |       |       |
|               |              | THB1       | 4.89                     | 5.67                  | 3.85                          | 5.23                    |       |       |
|               |              | THB2       | -                        | 5.81                  | 4.93                          | 6.00                    |       |       |
|               | WSR45C       | 3.18       | 4.12                     | 6.54                  | 6.31                          |                         |       |       |
|               | WSR46        | 4.18       | 5.29                     | 7.38                  | 8.30                          |                         |       |       |
|               | Mid-Flood    | DS1        | 6.02                     | 6.08                  | 3.91                          | 7.77                    |       |       |
|               |              | DS2        | 5.89                     | 6.52                  | 8.17                          | 8.62                    |       |       |
|               |              | DS3        | 5.87                     | 6.28                  | 13.30                         | 15.48                   |       |       |
|               |              | DS4        | 5.65                     | 6.49                  | 7.73                          | 9.23                    |       |       |
|               |              | DS5        | 5.54                     | 6.44                  | 6.50                          | 8.14                    |       |       |
|               |              | US1        | 4.54                     | 5.58                  | 3.79                          | 3.67                    |       |       |
|               |              | US2        | 3.60                     | 4.82                  | 4.25                          | 4.83                    |       |       |
|               |              | MW1        | 2.97                     | 3.51                  | 4.48                          | 4.74                    |       |       |
| THB1          |              | 5.49       | 6.21                     | 10.65                 | 16.33                         |                         |       |       |
| THB2          |              | -          | 7.58                     | 7.86                  | 8.67                          |                         |       |       |
| WSR45C        | 2.85         | 3.71       | 7.89                     | 8.57                  |                               |                         |       |       |
| WSR46         | 3.78         | 5.28       | 9.45                     | 10.74                 |                               |                         |       |       |
| 2014/09/08    | Mid-Ebb      | DS1        | 5.29                     | 5.62                  | 6.62                          | 6.90                    |       |       |
|               |              | DS2        | 4.26                     | 4.91                  | 11.29                         | 11.01                   |       |       |
|               |              | DS3        | 4.55                     | 5.03                  | 10.02                         | 11.77                   |       |       |
|               |              | DS4        | 4.28                     | 4.93                  | 14.50                         | 15.23                   |       |       |
|               |              | DS5        | 4.32                     | 4.88                  | 17.17                         | 16.29                   |       |       |
|               |              | US1        | 5.30                     | 5.81                  | 7.89                          | 11.02                   |       |       |
|               |              | US2        | 5.24                     | 5.50                  | 9.13                          | 9.15                    |       |       |
|               |              | MW1        | 4.50                     | 4.64                  | 11.06                         | 14.17                   |       |       |
|               |              | THB1       | 5.18                     | 6.01                  | 5.35                          | 6.42                    |       |       |
|               |              | THB2       | -                        | -                     | -                             | -                       |       |       |
|               |              | WSR45C     | 4.28                     | 4.78                  | 18.77                         | 17.50                   |       |       |
|               |              | WSR46      | 4.34                     | 4.73                  | 19.48                         | 14.72                   |       |       |
|               | Mid-Flood    | DS1        | 4.82                     | 5.01                  | 11.39                         | 12.33                   |       |       |
|               |              | DS2        | 4.91                     | 5.02                  | 11.42                         | 14.92                   |       |       |
|               |              | DS3        | 5.24                     | 5.33                  | 5.97                          | 8.83                    |       |       |
|               |              | DS4        | 5.10                     | 5.49                  | 7.64                          | 7.84                    |       |       |
|               |              | DS5        | 4.72                     | 5.45                  | 7.41                          | 8.84                    |       |       |
|               |              | US1        | 4.70                     | 4.96                  | 8.04                          | 9.54                    |       |       |
|               |              | US2        | 4.22                     | 4.78                  | 12.29                         | 10.39                   |       |       |
|               |              | MW1        | 4.19                     | 4.64                  | 7.45                          | 8.12                    |       |       |
|               |              | THB1       | 4.87                     | 4.95                  | 11.01                         | 12.20                   |       |       |
|               |              | THB2       | -                        | 4.61                  | 10.22                         | 4.47                    |       |       |
|               |              | WSR45C     | 4.68                     | 5.01                  | 7.48                          | 8.58                    |       |       |
|               |              | WSR46      | 4.28                     | 4.81                  | 15.73                         | 13.74                   |       |       |
|               |              | 2014/09/11 | Mid-Ebb                  | DS1                   | 4.43                          | 4.63                    | 9.06  | 9.65  |
|               |              |            |                          | DS2                   | 4.05                          | 4.32                    | 14.88 | 13.61 |

| Sampling Date | Tidal Period | Station | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|---------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |         | Bottom                   | Surface and Mid Depth |                               |                         |
|               |              | DS3     | 4.06                     | 4.41                  | 11.57                         | 14.56                   |
|               |              | DS4     | 3.99                     | 4.12                  | 26.53                         | 16.59                   |
|               |              | DS5     | 4.00                     | 4.20                  | 28.69                         | 14.99                   |
|               |              | US1     | 4.69                     | 4.68                  | 11.67                         | 9.25                    |
|               |              | US2     | 4.71                     | 4.74                  | 13.13                         | 12.73                   |
|               |              | MW1     | 4.14                     | 4.48                  | 8.18                          | 10.74                   |
|               |              | THB1    | 4.60                     | 4.69                  | 9.08                          | 9.53                    |
|               |              | THB2    | -                        | 4.61                  | 6.70                          | 5.27                    |
|               |              | WSR45C  | 4.13                     | 4.23                  | 17.60                         | 17.28                   |
|               |              | WSR46   | 4.10                     | 4.42                  | 12.93                         | 14.31                   |
|               | Mid-Flood    | DS1     | 4.41                     | 4.44                  | 12.48                         | 12.82                   |
|               |              | DS2     | 4.43                     | 4.51                  | 11.79                         | 16.05                   |
|               |              | DS3     | 4.33                     | 4.39                  | 12.67                         | 14.12                   |
|               |              | DS4     | 4.67                     | 4.50                  | 10.44                         | 10.91                   |
|               |              | DS5     | 4.86                     | 4.69                  | 7.49                          | 9.90                    |
|               |              | US1     | 4.26                     | 4.31                  | 15.23                         | 15.51                   |
|               |              | US2     | 4.01                     | 4.29                  | 11.64                         | 13.11                   |
|               |              | MW1     | 3.64                     | 4.02                  | 16.58                         | 16.74                   |
|               |              | THB1    | 4.40                     | 4.52                  | 11.69                         | 15.57                   |
|               |              | THB2    | -                        | 3.59                  | 20.30                         | 4.53                    |
|               |              | WSR45C  | 4.07                     | 4.24                  | 18.28                         | 15.28                   |
|               |              | WSR46   | 4.06                     | 4.33                  | 22.49                         | 25.43                   |
| 2014/09/13    | Mid-Ebb      | DS1     | 4.52                     | 4.60                  | 6.99                          | 9.85                    |
|               |              | DS2     | 4.28                     | 4.82                  | 7.46                          | 7.52                    |
|               |              | DS3     | 4.27                     | 4.76                  | 10.17                         | 12.09                   |
|               |              | DS4     | 3.87                     | 4.50                  | 10.09                         | 13.37                   |
|               |              | DS5     | 3.96                     | 4.59                  | 10.23                         | 11.39                   |
|               |              | US1     | 4.20                     | 4.88                  | 11.78                         | 15.35                   |
|               |              | US2     | 4.86                     | 5.14                  | 10.85                         | 8.93                    |
|               |              | MW1     | 3.92                     | 4.31                  | 6.71                          | 9.62                    |
|               |              | THB1    | 4.69                     | 5.44                  | 10.24                         | 12.60                   |
|               |              | THB2    | -                        | 4.53                  | 8.65                          | 6.47                    |
|               |              | WSR45C  | 4.06                     | 4.51                  | 11.71                         | 12.20                   |
|               |              | WSR46   | 4.26                     | 4.64                  | 24.70                         | 17.71                   |
|               | Mid-Flood    | DS1     | 4.68                     | 4.70                  | 18.66                         | 15.88                   |
|               |              | DS2     | 4.53                     | 4.71                  | 10.14                         | 12.98                   |
|               |              | DS3     | 4.48                     | 4.59                  | 11.83                         | 14.62                   |
|               |              | DS4     | 4.54                     | 4.75                  | 15.57                         | 16.56                   |
|               |              | DS5     | 4.80                     | 4.83                  | 12.00                         | 12.67                   |
|               |              | US1     | 4.28                     | 4.54                  | 14.07                         | 14.06                   |
|               |              | US2     | 4.14                     | 4.44                  | 9.68                          | 6.21                    |
|               |              | MW1     | 3.43                     | 3.91                  | 9.52                          | 12.87                   |
|               |              | THB1    | 4.55                     | 4.63                  | 13.42                         | 16.45                   |
|               |              | THB2    | -                        | -                     | -                             | -                       |
|               |              | WSR45C  | 3.89                     | 4.16                  | 16.53                         | 16.36                   |
|               |              | WSR46   | 3.88                     | 4.31                  | 22.94                         | 15.24                   |
| 2014/09/15    | Mid-Ebb      | DS1     | -                        | -                     | -                             | -                       |
|               |              | DS2     | -                        | -                     | -                             | -                       |
|               |              | DS3     | -                        | -                     | -                             | -                       |
|               |              | DS4     | -                        | -                     | -                             | -                       |
|               |              | DS5     | -                        | -                     | -                             | -                       |

| Sampling Date | Tidal Period | Station | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|---------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |         | Bottom                   | Surface and Mid Depth |                               |                         |
|               |              | US1     | -                        | -                     | -                             | -                       |
|               |              | US2     | -                        | -                     | -                             | -                       |
|               |              | MW1     | -                        | -                     | -                             | -                       |
|               |              | THB1    | -                        | -                     | -                             | -                       |
|               |              | THB2    | -                        | -                     | -                             | -                       |
|               |              | WSR45C  | -                        | -                     | -                             | -                       |
|               |              | WSR46   | -                        | -                     | -                             | -                       |
|               | Mid-Flood    | DS1     | -                        | -                     | -                             | -                       |
|               |              | DS2     | -                        | -                     | -                             | -                       |
|               |              | DS3     | -                        | -                     | -                             | -                       |
|               |              | DS4     | -                        | -                     | -                             | -                       |
|               |              | DS5     | -                        | -                     | -                             | -                       |
|               |              | US1     | -                        | -                     | -                             | -                       |
|               |              | US2     | -                        | -                     | -                             | -                       |
|               |              | MW1     | 3.59                     | 3.87                  | 7.26                          | 8.96                    |
|               |              | THB1    | 5.14                     | 5.19                  | 9.84                          | 12.28                   |
|               |              | THB2    | -                        | -                     | -                             | -                       |
|               |              | WSR45C  | 3.72                     | 4.13                  | 10.17                         | 9.97                    |
|               |              | WSR46   | -                        | -                     | -                             | -                       |
| 2014/09/18    | Mid-Ebb      | DS1     | 5.76                     | 5.89                  | 4.24                          | 4.77                    |
|               |              | DS2     | 5.77                     | 5.84                  | 4.70                          | 6.50                    |
|               |              | DS3     | 5.69                     | 5.81                  | 4.65                          | 5.08                    |
|               |              | DS4     | 5.60                     | 5.74                  | 4.24                          | 5.84                    |
|               |              | DS5     | 5.33                     | 5.78                  | 9.88                          | 5.21                    |
|               |              | US1     | 5.89                     | 5.91                  | 20.20                         | 25.33                   |
|               |              | US2     | 5.90                     | 5.90                  | 5.03                          | 5.25                    |
|               |              | MW1     | 4.44                     | 5.61                  | 3.35                          | 5.02                    |
|               |              | THB1    | 5.69                     | 5.68                  | 5.59                          | 6.60                    |
|               |              | THB2    | -                        | 4.87                  | 14.68                         | 4.27                    |
|               |              | WSR45C  | 4.31                     | 5.57                  | 5.41                          | 6.44                    |
|               |              | WSR46   | 5.56                     | 5.84                  | 4.78                          | 5.81                    |
|               | Mid-Flood    | DS1     | 6.08                     | 6.27                  | 9.37                          | 11.93                   |
|               |              | DS2     | 6.29                     | 6.43                  | 9.18                          | 12.12                   |
|               |              | DS3     | 6.21                     | 6.21                  | 12.69                         | 13.87                   |
|               |              | DS4     | 6.07                     | 6.30                  | 8.32                          | 8.97                    |
|               |              | DS5     | 5.94                     | 6.30                  | 8.56                          | 8.39                    |
|               |              | US1     | 5.88                     | 6.29                  | 4.09                          | 5.30                    |
|               |              | US2     | 5.41                     | 5.77                  | 8.17                          | 11.96                   |
|               |              | MW1     | 4.49                     | 4.75                  | 7.10                          | 8.87                    |
|               |              | THB1    | 6.12                     | 6.26                  | 16.51                         | 16.08                   |
|               |              | THB2    | -                        | 7.33                  | 14.11                         | 5.47                    |
|               |              | WSR45C  | 4.68                     | 5.68                  | 10.86                         | 11.20                   |
|               |              | WSR46   | 5.22                     | 5.85                  | 8.50                          | 9.09                    |
| 2014/09/20    | Mid-Ebb      | DS1     | 4.61                     | 4.99                  | 4.79                          | 6.08                    |
|               |              | DS2     | 4.42                     | 5.40                  | 5.37                          | 7.51                    |
|               |              | DS3     | 4.59                     | 5.62                  | 5.62                          | 5.90                    |
|               |              | DS4     | 4.70                     | 5.42                  | 3.06                          | 5.96                    |
|               |              | DS5     | 4.34                     | 5.53                  | 7.73                          | 6.00                    |
|               |              | US1     | 5.39                     | 6.48                  | 5.95                          | 7.27                    |
|               |              | US2     | 4.75                     | 6.77                  | 7.58                          | 7.08                    |
|               |              | MW1     | 4.59                     | 4.97                  | 4.73                          | 8.53                    |

| Sampling Date | Tidal Period | Station | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|---------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |         | Bottom                   | Surface and Mid Depth |                               |                         |
|               |              | THB1    | 5.38                     | 6.80                  | 5.50                          | 8.85                    |
|               |              | THB2    | -                        | 6.90                  | 5.96                          | 6.47                    |
|               |              | WSR45C  | 4.46                     | 4.91                  | 7.57                          | 8.29                    |
|               |              | WSR46   | 4.69                     | 5.60                  | 5.45                          | 7.64                    |
|               | Mid-Flood    | DS1     | 7.07                     | 7.43                  | 10.52                         | 13.72                   |
|               |              | DS2     | 7.43                     | 7.92                  | 12.34                         | 12.00                   |
|               |              | DS3     | 5.35                     | 7.05                  | 12.00                         | 11.73                   |
|               |              | DS4     | 5.25                     | 6.81                  | 8.31                          | 10.87                   |
|               |              | DS5     | 7.27                     | 8.11                  | 5.33                          | 7.73                    |
|               |              | US1     | 6.42                     | 7.20                  | 2.77                          | 5.17                    |
|               |              | US2     | 4.79                     | 6.09                  | 4.25                          | 8.27                    |
|               |              | MW1     | 4.67                     | 4.86                  | 7.20                          | 9.83                    |
|               |              | THB1    | 7.25                     | 7.53                  | 7.50                          | 9.62                    |
|               |              | THB2    | -                        | 8.52                  | 9.65                          | 9.87                    |
|               |              | WSR45C  | 4.51                     | 4.84                  | 10.45                         | 13.28                   |
|               |              | WSR46   | 4.66                     | 5.75                  | 5.86                          | 6.92                    |
| 2014/09/22    | Mid-Ebb      | DS1     | 4.83                     | 5.35                  | 20.88                         | 32.91                   |
|               |              | DS2     | 5.08                     | 5.85                  | 7.52                          | 11.20                   |
|               |              | DS3     | 5.02                     | 5.80                  | 8.21                          | 11.47                   |
|               |              | DS4     | 4.96                     | 5.67                  | 6.45                          | 8.56                    |
|               |              | DS5     | 4.89                     | 5.56                  | 6.89                          | 13.60                   |
|               |              | US1     | 5.02                     | 5.66                  | 6.52                          | 11.08                   |
|               |              | US2     | 5.17                     | 6.10                  | 6.46                          | 10.55                   |
|               |              | MW1     | 4.66                     | 4.72                  | 6.51                          | 9.29                    |
|               |              | THB1    | 5.77                     | 6.91                  | 5.47                          | 8.77                    |
|               |              | THB2    | -                        | 5.75                  | 9.35                          | 4.93                    |
|               |              | WSR45C  | 4.70                     | 5.47                  | 6.26                          | 9.00                    |
|               |              | WSR46   | 5.61                     | 6.79                  | 14.22                         | 15.23                   |
|               | Mid-Flood    | DS1     | 6.14                     | 6.68                  | 9.18                          | 9.63                    |
|               |              | DS2     | 6.12                     | 7.08                  | 13.15                         | 19.37                   |
|               |              | DS3     | 6.10                     | 6.54                  | 19.35                         | 13.30                   |
|               |              | DS4     | 5.29                     | 5.99                  | 20.39                         | 24.51                   |
|               |              | DS5     | 5.21                     | 6.10                  | 8.88                          | 10.27                   |
|               |              | US1     | 6.33                     | 6.67                  | 9.37                          | 15.57                   |
|               |              | US2     | 5.52                     | 5.63                  | 18.71                         | 19.82                   |
|               |              | MW1     | 4.81                     | 4.95                  | 10.77                         | 15.63                   |
|               |              | THB1    | 6.35                     | 7.36                  | 14.89                         | 14.87                   |
|               |              | THB2    | -                        | 6.55                  | 13.85                         | 2.57                    |
|               |              | WSR45C  | 4.97                     | 5.47                  | 11.99                         | 27.19                   |
|               |              | WSR46   | 5.22                     | 6.53                  | 10.28                         | 18.17                   |
| 2014/09/24    | Mid-Ebb      | DS1     | 5.86                     | 6.09                  | 6.88                          | 9.03                    |
|               |              | DS2     | 5.91                     | 6.09                  | 6.57                          | 7.10                    |
|               |              | DS3     | 5.42                     | 5.54                  | 11.88                         | 11.99                   |
|               |              | DS4     | 5.31                     | 5.56                  | 18.61                         | 19.00                   |
|               |              | DS5     | 5.36                     | 5.65                  | 15.69                         | 23.37                   |
|               |              | US1     | 6.52                     | 6.69                  | 9.09                          | 12.40                   |
|               |              | US2     | 6.36                     | 6.41                  | 10.69                         | 12.33                   |
|               |              | MW1     | 4.98                     | 5.03                  | 9.05                          | 11.18                   |
|               |              | THB1    | 6.59                     | 6.92                  | 8.72                          | 18.85                   |
|               |              | THB2    | -                        | 6.52                  | 13.71                         | 5.83                    |
|               |              | WSR45C  | 5.41                     | 5.67                  | 15.89                         | 8.32                    |

| Sampling Date | Tidal Period | Station    | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|------------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |            | Bottom                   | Surface and Mid Depth |                               |                         |
|               | Mid-Flood    | WSR46      | 5.58                     | 5.70                  | 16.16                         | 18.74                   |
|               |              | DS1        | 6.03                     | 5.91                  | 25.07                         | 28.58                   |
|               |              | DS2        | 6.33                     | 6.27                  | 19.90                         | 18.07                   |
|               |              | DS3        | 6.67                     | 6.74                  | 35.34                         | 37.55                   |
|               |              | DS4        | 6.51                     | 6.69                  | 11.19                         | 9.62                    |
|               |              | DS5        | 6.51                     | 6.74                  | 13.15                         | 14.82                   |
|               |              | US1        | 5.82                     | 5.80                  | 8.93                          | 10.40                   |
|               |              | US2        | 5.44                     | 5.60                  | 55.79                         | 32.11                   |
|               |              | MW1        | 4.91                     | 5.06                  | 17.25                         | 20.78                   |
|               |              | THB1       | 6.09                     | 6.31                  | 22.65                         | 22.13                   |
|               |              | THB2       | -                        | 6.19                  | 13.38                         | 6.13                    |
|               |              | WSR45C     | 5.30                     | 5.55                  | 19.33                         | 18.00                   |
|               |              | WSR46      | 6.15                     | 5.70                  | 21.02                         | 16.04                   |
|               |              | 2014/09/26 | Mid-Ebb                  | DS1                   | 5.41                          | 5.49                    |
| DS2           | 5.47         |            |                          | 5.62                  | 8.17                          | 10.01                   |
| DS3           | 5.47         |            |                          | 5.39                  | 8.00                          | 11.31                   |
| DS4           | 5.13         |            |                          | 5.40                  | 9.31                          | 9.80                    |
| DS5           | 5.17         |            |                          | 5.26                  | 12.83                         | 13.48                   |
| US1           | 5.76         |            |                          | 5.75                  | 9.63                          | 10.33                   |
| US2           | 5.77         |            |                          | 5.77                  | 8.28                          | 9.28                    |
| MW1           | 5.15         |            |                          | 5.42                  | 6.87                          | 9.44                    |
| THB1          | 5.53         |            |                          | 5.57                  | 10.05                         | 19.93                   |
| THB2          | -            |            |                          | 6.00                  | 5.90                          | 4.20                    |
| WSR45C        | 5.14         |            |                          | 5.26                  | 13.77                         | 12.63                   |
| WSR46         | 5.05         |            |                          | 5.26                  | 11.75                         | 9.91                    |
| Mid-Flood     | DS1          |            | 5.36                     | 5.35                  | 10.40                         | 10.48                   |
|               | DS2          |            | 5.37                     | 5.41                  | 19.73                         | 17.68                   |
|               | DS3          |            | 5.41                     | 5.41                  | 9.69                          | 11.12                   |
|               | DS4          |            | 5.54                     | 5.42                  | 11.57                         | 13.14                   |
|               | DS5          |            | 5.67                     | 5.64                  | 14.36                         | 15.08                   |
|               | US1          |            | 5.39                     | 5.39                  | 8.92                          | 8.58                    |
|               | US2          |            | 5.16                     | 5.38                  | 10.78                         | 11.98                   |
|               | MW1          |            | 4.99                     | 5.16                  | 9.16                          | 12.39                   |
|               | THB1         |            | 5.31                     | 5.35                  | 16.44                         | 13.83                   |
|               | THB2         |            | -                        | 5.23                  | 8.22                          | 7.03                    |
|               | WSR45C       |            | 5.09                     | 5.32                  | 16.49                         | 14.84                   |
|               | WSR46        |            | 5.09                     | 5.33                  | 13.96                         | 11.41                   |
| 2014/09/29    | Mid-Ebb      | DS1        | 5.02                     | 5.42                  | 8.27                          | 10.91                   |
|               |              | DS2        | 4.76                     | 5.12                  | 10.83                         | 12.12                   |
|               |              | DS3        | 4.91                     | 5.38                  | 8.14                          | 10.18                   |
|               |              | DS4        | 4.63                     | 5.46                  | 9.19                          | 10.40                   |
|               |              | DS5        | 5.05                     | 5.54                  | 15.08                         | 13.57                   |
|               |              | US1        | 4.90                     | 5.26                  | 8.60                          | 13.67                   |
|               |              | US2        | 5.09                     | 5.21                  | 9.20                          | 13.00                   |
|               |              | MW1        | 5.27                     | 5.47                  | 5.93                          | 7.62                    |
|               |              | THB1       | 5.23                     | 5.54                  | 10.43                         | 11.73                   |
|               |              | THB2       | -                        | 6.27                  | 8.12                          | 7.40                    |
|               |              | WSR45C     | 4.65                     | 5.40                  | 12.57                         | 15.67                   |
|               |              | WSR46      | 4.77                     | 5.13                  | 15.03                         | 14.88                   |
|               | Mid-Flood    | DS1        | 5.05                     | 5.13                  | 10.47                         | 15.13                   |
|               |              | DS2        | 5.21                     | 5.25                  | 13.30                         | 14.17                   |

| Sampling Date | Tidal Period | Station | Average DO Levels (mg/L) |                       | Average Turbidity Level (NTU) | Average SS Level (mg/L) |
|---------------|--------------|---------|--------------------------|-----------------------|-------------------------------|-------------------------|
|               |              |         | Bottom                   | Surface and Mid Depth |                               |                         |
|               |              | DS3     | 5.07                     | 5.48                  | 11.64                         | 11.68                   |
|               |              | DS4     | 5.27                     | 5.61                  | 9.02                          | 10.70                   |
|               |              | DS5     | 5.22                     | 5.58                  | 9.17                          | 8.71                    |
|               |              | US1     | 4.70                     | 5.13                  | 11.48                         | 14.06                   |
|               |              | US2     | 4.70                     | 5.05                  | 6.53                          | 7.40                    |
|               |              | MW1     | 4.58                     | 4.78                  | 10.21                         | 11.26                   |
|               |              | THB1    | 5.04                     | 5.22                  | 15.37                         | 15.67                   |
|               |              | THB2    | -                        | 5.11                  | 13.38                         | 14.70                   |
|               |              | WSR45C  | 4.69                     | 5.06                  | 10.22                         | 10.70                   |
|               |              | WSR46   | 4.71                     | 5.06                  | 14.06                         | 14.84                   |

Notes:

1. Please refer to Table C2 below for the Action and Limit Levels for dredging activities.
2. Cell shaded yellow indicated value exceeding the Action Level criteria.
3. Cell shaded red indicated value exceeding the Limit Level criteria.
4. Only mid-depth water was sampled at Station THB2 because water depth was less than 3m.
5. Sampling at Station THB2 during mid-ebb tide on 8 September 2014 was cancelled due to adverse weather condition.
6. Sampling at Station THB2 during mid-flood tide on 13 September 2014 was cancelled due to adverse weather condition.
7. Sampling was only conducted at stations MW1, THB1 and WSR45C during mid-flood tide on 15 September 2014 due to adverse weather condition.

**Table B2** *Action and Limit Levels of Water Quality for Dredging, Backfilling and Capping Activities*

| <b>Parameter</b>                                       | <b>Action Level</b>  | <b>Limit Level</b>   |
|--|--|--|
| Dissolved Oxygen (DO) <sup>(1)</sup>                   | <u>Surface and Mid-depth</u> <sup>(2)</sup><br>The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for surface and middle layer = <b>4.32 mg L<sup>-1</sup></b> | <u>Surface and Mid-depth</u> <sup>(2)</sup><br>The average of the impact, WSR 45C and WSR 46 station readings are < <b>4 mg L<sup>-1</sup></b>   |
|  | and<br><br>Significantly less than the reference stations mean DO (at the same tide of the same day)   | and<br><br>Significantly less than the reference stations mean DO (at the same tide of the same day)   |
|  | <u>Bottom</u><br>The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for bottom layers = <b>3.12 mg L<sup>-1</sup></b>  | <u>Bottom</u><br>The average of the impact station, WSR 45C and WSR 46 readings are < <b>2 mg L<sup>-1</sup></b>                                 |
|  | and<br><br>Significantly less than the reference stations mean DO (at the same tide of the same day)   | and<br><br>Significantly less than the reference stations mean DO (at the same tide of the same day)   |
| Depth-averaged Suspended Solids (SS) <sup>(3)(4)</sup> | The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data for depth average = <b>21.60 mg L<sup>-1</sup></b>   | The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data for depth average = <b>40.10 mg L<sup>-1</sup></b> |
|  | and<br><br>120% of control station's SS at the same tide of the same day   | and<br><br>130% of control station's SS at the same tide of the same day   |
| Depth-averaged Turbidity (Tby) <sup>(3)(4)</sup>       | The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data = <b>25.04 NTU</b>   | The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data = <b>32.68 NTU</b>                                 |
|  | and<br><br>120% of control station's Tby at the same tide of the same day  | and<br><br>130% of control station's Tby at the same tide of the same day  |

**Notes:**

- (1) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (2) The Action and Limit Levels for DO for Surface & Middle layers were calculated from the combined pool of baseline surface layer data and baseline middle layer data.
- (3) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- (4) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.



Table B3

*Water Column Profiling Results for CMP 1 on 12 September 2014*

| Stations              | Temp<br>(°C) | Salinity<br>(ppt)            | Turbidity<br>(NTU) | Dissolved<br>Oxygen |                       | pH                    | Suspended<br>Solids   |
|-----------------------|--------------|------------------------------|--------------------|---------------------|-----------------------|-----------------------|-----------------------|
|                       |              |                              |                    | (%)                 | (mg L <sup>-1</sup> ) | (mg L <sup>-1</sup> ) | (mg L <sup>-1</sup> ) |
| WCP 1<br>(Downstream) | 28.67        | 24.43                        | 13.66              | 62.34               | 4.21                  | 7.64                  | 13.25                 |
| WCP 2<br>(Upstream)   | 28.60        | 24.74                        | 9.80               | 61.52               | 4.15                  | 7.64                  | 11.58                 |
| WQO (wet season)      | N/A          | 21.51-<br>26.53 <sup>#</sup> | N/A                | N/A                 | >4                    | 6.5-8.5               | 12.00                 |

**Note:** <sup>#</sup>Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.